

# Converting Colors

CIELCh(85, 60.558, 125.325)

Have a look what the booklet for  
CIELCh(85, 60.558, 125.325)  
contains.

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**Color**

**CIELCh(85, 60.558, 125.325)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B0E473
RGB	176, 228, 115
RGB Percent	69%, 89%, 45%
CMY	0.3095, 0.1056, 0.5487
CMYK	0.23, 0.00, 0.50, 0.11
HSL	88°, 68%, 67%
HSV	88°, 50%, 89%
XYZ	48.7844, 66.0070, 26.4106
YIQ	199.5700, 5.2810, -46.1670

# Conversions

## Conversions Part 2

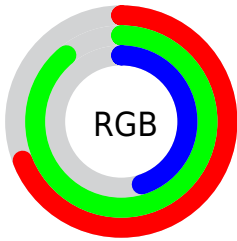
<b>Format</b>	<b>Color</b>
<b>RYB</b>	115, 228, 167
Decimal	11592819
CIELab	85.00, -35.02, 49.41
CIELCh	85, 60.558, 125.325
Yxy	66.0070, 0.3455, 0.4675
Android (android.graphics.Color)	4289782899 (0xFFB0E473)
YUV	199.5700, -41.6930, -20.6709
Hunter-Lab	81.2447, -34.9957, 37.5976

# Details

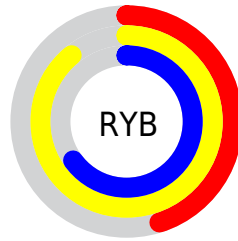
The CIELCh color **85, 60.558, 125.325** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **58, 65.691, 310.375**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 43.928, 118.010**, and **65, 60.259, 125.227** is the 20% darker color. If you saturate the color by 10%, you get **84, 71.514, 125.001**, and if you desaturate by 10%, it is **86, 48.865, 125.763**.

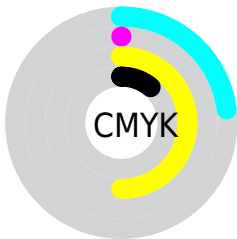
# Distribution



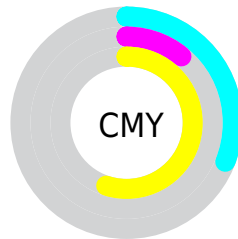
- Red (69%)
- Green (89%)
- Blue (45%)



- Red (45%)
- Yellow (89%)
- Blue (65%)



- Cyan (23%)
- Magenta (0%)
- Yellow (50%)
- Black (11%)




- Cyan (31%)
- Magenta (11%)
- Yellow (55%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 60.558, 125.325 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 85, 60.558, 125.325 by changing the saturation by 10% instead.





 85, 60.558,  
125.325


 85, 60.558,  
125.325


 100, 60.558,  
125.325


 75, 60.558,  
125.325

 65, 60.558,  
125.325

 55, 60.558,  
125.325

 45, 60.558,  
125.325

 35, 60.558,  
125.325


 25, 60.558,  
125.325


 15, 60.558,


125.325

 5, 60.558, 125.325


 0, 60.558, 125.325


 85, 60.558,  
125.325


 85, 60.558,  
125.325

 84, 71.514,  
125.001


 86, 48.865,  
125.763


 83, 81.310,  
124.880

 87, 36.730,  
126.250

 83, 89.417,  
125.082

 88, 24.359,  
126.748

 82, 95.327,  
125.734

 89, 11.891,  
127.237

 82, 99.026,

 91, 0.574, 307.485

126.840

92, 12.970,  
308.103

82, 99.175,  
126.890

93, 15.849,  
319.192

93, 16.826,  
325.007

# Harmonies

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



85, 60.558, 125.325



58, 65.691, 310.375

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85, 60.558, 125.325



85, 60.558, 175.325



85, 60.558, 305.325



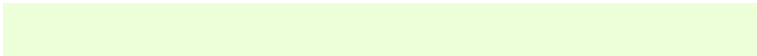
85, 60.558, 355.325

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



85, 60.559, 125.326



98, 20.466, 126.968



73, 39.181, 64.155



52, 13.963, 126.864



0, 0.000, 0.000



53, 0.007, 296.813



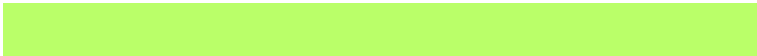


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



85, 60.559, 125.326



93, 77.598, 125.006



82, 69.823, 139.374



48, 7.110, 127.242



65, 82.363, 126.625



18, 31.904, 126.132



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



58, 65.691, 310.375



58, 85.764, 310.917



65, 69.794, 325.521



45, 7.216, 308.100



27, 96.270, 311.058



4, 35.382, 309.624



# Previews

## White Background



This preview shows how the CIELCh color 85, 60.558, 125.325 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 85, 60.558, 125.325 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 85, 60.558, 125.325

## Background



This preview shows how black text looks on a background with the CIELCh color 85, 60.558, 125.325.

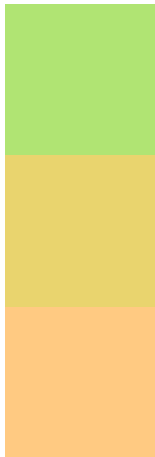


This preview shows how white text looks on a background with the CIELCh color 85, 60.558, 125.325.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

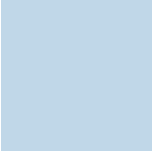


**Original Color**  
85, 60.558, 125.325

**Protanopia**  
85, 52.792, 95.958

**Deuteranopia**  
85, 44.145, 76.556





**Tritanopia**  
85, 11.703, 249.129

# Trichromacy



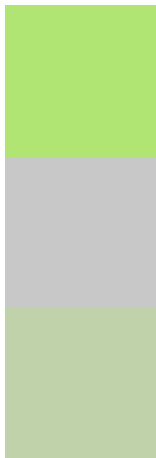
**Original Color**  
85, 60.558, 125.325

**Protanomaly**  
85, 53.696, 108.208

**Deuteranomaly**  
84, 44.763, 98.280

**Tritanomaly**  
85, 20.588, 145.943

# Monochromacy



**Original Color**  
85, 60.558, 125.325

**Achromatopsia**  
81, 0.010, 296.813

**Achromatomaly**  
82, 22.769, 126.871

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 85, 60.558, 125.325 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(176, 228, 115)` looks like.

```
.text, #text, p{  
    color:rgb(176, 228, 115)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(176, 228, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 228, 115) }
```

## Border

The CSS property to change the border of an element to CIELCh 85, 60.558, 125.325 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 228, 115) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(176, 228, 115) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(176, 228, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 228, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 228, 115); box-shadow:4px 4px 4px 4px rgb(176, 228, 115) }
```

# Background

The CSS property to change the background color of an element to CIELCh 85, 60.558, 125.325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 228, 115) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(176,  
228, 115) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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